



041204

1987 U.S. PTO

S&amp;H Form: PTO/SB/05 (2/02)

**UTILITY  
PATENT APPLICATION****TRANSMITTAL***(Only for original applications)***APPLICATION ELEMENTS**  
*See MPEP chapter 600 concerning utility patent  
application contents.*

Attorney Docket No. 300.1152

First Named Inventor or Application Identifier:  
Takaharu YAMANO, et al.

Express Mail Label No.

ADDRESS TO:  
**Commissioner for Patents  
Box Patent Application  
PO Box 1450  
Alexandria, VA 22313-1450**1987 U.S. PTO  
10/821915

041204

1. ☒ Fee Transmittal Form
2. ☒ Specification, Claims & Abstract .....[Total Pages: 24 ]
3. ☒ Drawing(s) (35 USC 113) .....[ Total Sheets: 9 ] [FIGS. 1-6M ]
4. ☒ Oath or Declaration .....[ Total Pages: 4 ]
  - a. ☒ Newly executed (original or copy)
  - b. ☐ Copy from a prior application (37 CFR 1.63(d))
    - i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application,  
see 37 CFR 1.63(d)(2) and 1.33(b).
5. ☐ Verified Statement Claiming Small Entity Status
6. ☐ Application Data Sheet. See 37 C.F.R. 1.76
7. ☒ Applicant claims foreign priority benefit to: Japanese Application 2003-110680 filed April 15, 2003
8. ☐ CD-Rom or CD-R in duplicate, large table or Computer Program (Appendix)
9. ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - a. ☐ Computer Readable Form (CRF)
  - b. ☐ Specification Sequence Listing on:
    - i. ☐ CD-ROM or CD-R (2 copies); or
    - ii. ☐ paper
  - c. ☐ Statement verifying identity of above copies
10. ☐ For publication of assignee information under 37 CFR 1.215(b), list the assignee as SHINKO ELECTRIC INDUSTRIES CO., LTD. of Nagano, Japan. The Assignment papers will be filed later.

**ACCOMPANYING APPLICATION PARTS**

11. ☒ Assignment (cover sheet & document(s)) to SHINKO ELECTRIC INDUSTRIES CO., LTD. of Nagano, Japan  
☒ for publication of assignee information under 37 CFR 1.215(b)
12. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
13. ☐ English Translation Document (if applicable)
14. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
15. ☒ Preliminary Amendment
16. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
17. ☒ Certified Copy of Priority Document(s) (if foreign priority is claimed)
18. ☐ Request and Certification for Nonpublication under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form  
PTO/SB/35 or its equivalent
19. ☐ Other:

**20. CORRESPONDENCE ADDRESS**

21171

PATENT TRADEMARK OFFICE



041204

18281 U.S. PTO

S&amp;H Form (10/03)

|  |           |                      |                         |
|--|-----------|----------------------|-------------------------|
| <b>NEW APPLICATION<br/>FEE TRANSMITTAL</b> |           | Attorney Docket No.  | 300.1152                |
|  |           | Application Number   |                         |
|  |           | Filing Date          | April 12, 2004          |
| AMOUNT ENCLOSED                            | \$ 810.00 | First Named Inventor | Takaharu YAMANO, et al. |

**FEE CALCULATION** (fees effective 10/01/03)

| CLAIMS | (1) FOR   | (2) NUMBER<br>FILED | (3) NUMBER<br>EXTRA | (4) RATE                         | (5) CALCULATIONS |
|--------|---|---------------------|---------------------|----------------------------------|------------------|
|        | TOTAL CLAIMS  | 18 - 20 =           | 0                   | X \$ 18.00 =                     | \$ 0.00          |
|        | INDEPENDENT<br>CLAIMS   | 2 - 3 =             | 0                   | X \$ 86.00 =                     | 0.00             |
|        | MULTIPLE DEPENDENT CLAIMS (any number;<br>if applicable)                            |                     |                     | + \$290.00 =                     |                  |
|        |   |                     |                     | BASIC FILING<br>FEE              | 770.00           |
|        |   |                     |                     | Total of above<br>Calculations = | \$ 770.00        |
|        | Surcharge for late filing fee, Oath or Declaration (37 CFR 1.53(f))<br>(\$130.00)   |                     |                     |                                  |                  |
|        | Reduction by 50% for filing by small entity (37 CFR 1.27).                          |                     |                     |                                  |                  |
|        |   |                     |                     | TOTAL FILING<br>FEE =            | \$ 770.00        |
|        | Surcharge for filing non-English language application (\$130.00;<br>37 CFR 1.52(d)) |                     |                     |                                  |                  |
|        | Recordation of Assignment (\$40.00; 37 CFR 1.21(h))                                 |                     |                     |                                  | 40.00            |
|        |   |                     |                     | TOTAL FEES<br>DUE =              | \$ 810.00        |

**METHOD OF PAYMENT**

- ☒ Check enclosed as payment.
- ☐ Charge "TOTAL FEES DUE" to the Deposit Account No. below.
- ☐ No payment is enclosed and no charges to the Deposit Account are authorized at this time (unless specifically required to obtain a filing date).

**GENERAL AUTHORIZATION**

- ☒ If the above-noted "AMOUNT ENCLOSED" is not correct, the Commissioner is hereby authorized to credit any overpayment or charge any additional fees necessary to:

Deposit Account No.

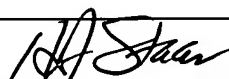
19-3935

Deposit Account Name

STAAS &amp; HALSEY LLP

- ☒ The Commissioner is also authorized to credit any overpayments or charge any additional fees required under 37 CFR 1.16 (filing fees) or 37 CFR 1.17 (processing fees) during the prosecution of this application, including any related application(s) claiming benefit hereof pursuant to 35 USC 120 (e.g., continuations/divisionals/CIPs under 37 CFR 1.53(b) and/or continuations/divisionals/CPAs under 37 CFR 1.53(d)) to maintain pendency hereof or of any such related application.

**SUBMITTED BY: STAAS & HALSEY LLP**

|            |   |          |                |
|------------|---|----------|----------------|
| Typed Name | H. J. Staas   | Reg. No. | 22,010         |
| Signature  |  | Date     | April 12, 2004 |